TABLE 5

SUMPS SYSTEM DESIGN STANDARDS

SUMP AND TRENCH[1] DESIGN STANDARDS	SUMP SYSTEMS		
	PRIMARY CONTAINMENT[2]	SECONDARY CONTAINMENT[3]	TOXIC CUBICLE[4]
Construction Material:	welded carbon steel	welded carbon steel	welded carbon steel
Sump Capacity, gallons	89 (typ)	89 (typ)	512 (typ)
Specified Shell Thickness, inches	3/16 steel	3/16 steel	3/16 steel
Dimensions, feet:	2.3 X 2.3 X 2.25(typ)	2.3 X 2.3 X 2.25 (typ)	4.42 X 4.42 X 3.5 (typ)
Grating, inches	reinforced fiberglass	reinforced fiberglass	reinforced fiberglass
Protective Coating	Agent Resistant	Agent Resistant	Agent Resistant
Secondary Containment			
Capacity, gallons	134	not applicable	512 required
Corrosion Liner Material	concrete	not applicable	concrete
Liner Thickness	6 inch		6 inch
Protective Coating Dimensions, feet:Design Temperature, F	Agent Resistant	Agent Resistant	Agent Resistant
Leak Detection System			
	Visually inspect by and level detector	not applicable	Visually inspect and level detector

1 Standards apply to trenches (for sump collection system designed with trench).

2 Corresponds to those sumps listed in Table 4 that have a numerical capacity value listed under the "secondary Containment Volume (Gallon)" column heading.

3 With the exception of SDS-PUMP-151 (see below), corresponds to those sumps listed in Table 4 that have "none required" listed under the "Secondary Containment Volume (Gallon)" column heading. Those that are designated as "none required (tank)" correspond to sumps that are part of a secondary containment system for a tank. Those that are designated as "none required (MDB)" are those MDB RCRA permitted sumps that are part of a secondary containment system for miscellaneous operations that occur in the MDB.

4 SDS-PUMP-151 (Toxic Cubicle Sump.)